

# Conservation Security Program

## Air Resource Management Enhancement



Natural Resources Conservation Service  
United States Department of Agriculture

Minnesota, 2006

### ***Improve air quality by controlling concentrated animal odors through the use of bio-filters for curtained barns***

#### **Definition**

Bio-filters are an air bio-filtration system comprised of mechanical ventilation, ductwork and a bed of organic material that supports a microbial population.

#### **Purpose**

The purpose of this enhancement is to prevent or minimize the odor emissions from livestock and poultry production facilities and manure storage areas.

#### **Where Used**

This enhancement applies where odors are emitted from a confined livestock or poultry production building or a covered manure storage area.

#### **Operation and Maintenance**

The operation and maintenance plan must address the physical integrity, moisture content, weed growth, rodents, assessment of pressure drop and health and safety concerns as outlined in the NRCS interim 795 practice standard.

#### **Payment Rate**

The payment rate for this enhancement is a flat rate payment per year.

#### **Documentation Required**

Provide a map of the location of the barns and bio-filters and records showing the size of the filter.

**I certify that, to the best of my knowledge, the above information is correct and that, if requested, I will provide additional documentation to support the above information.**

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_